Title: "Oligonucleotide-Tagged Semiconductor Nanocrystals For Microarray And Fluorescence In Situ Hybridization" Inventors: Bittner, et al. Attorney: David W. Maher (650-849-4400) Atty. Docket No: 22564-0707

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Test sample



Reference sample

Make RNA

Oligo dT-DNA-1 primer

Test RNA

Oligo dT-DNA-2 primer



Reference RNA

Make cDNA

cDNA from

test RNA

cDNA from reference RNA

FIGURE 1

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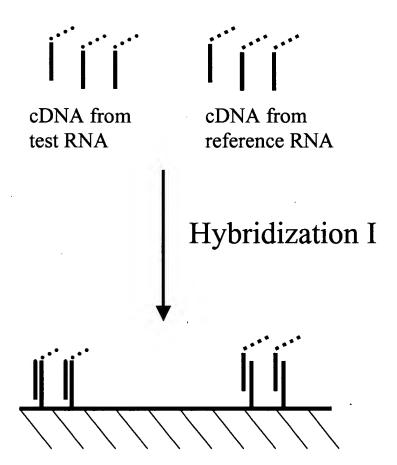


FIGURE 2

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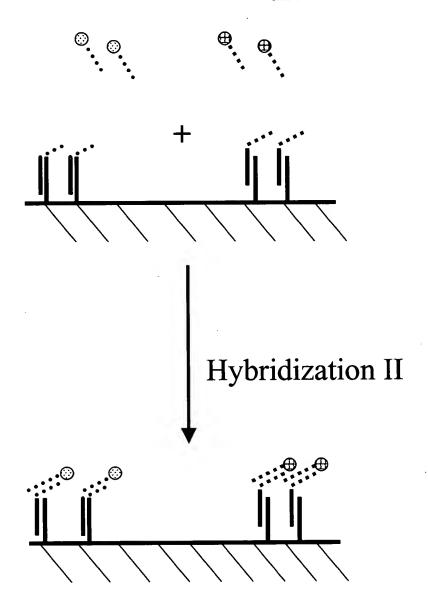


FIGURE 3

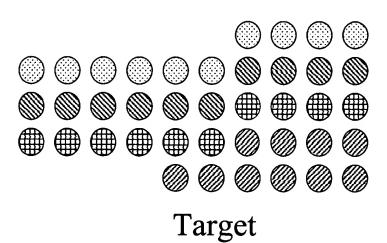
Title: "Oligonucleotide-Tagged Semiconductor Nanocrystals For Microarray And Fluorescence

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- \otimes = Gene A (h-136)
- \oplus = Gene B (h-252)
- \bigcirc = Gene C (h-501)
- \odot = Gene D (h-503)

FIGURE 4

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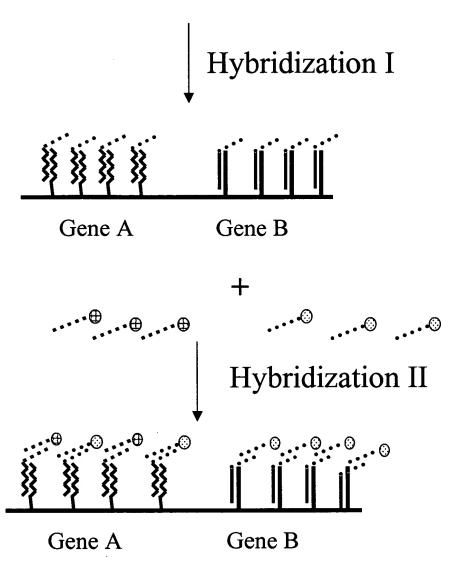


FIGURE 5A

Title: "Oligonucleotide-Tagged Semiconductor Nanocrystals For Microarray And Fluorescence In Situ Hybridization"

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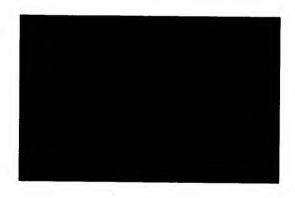


FIGURE 5B

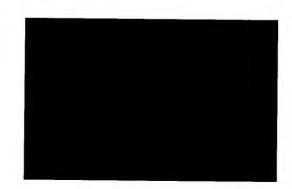


FIGURE 5C

Title: "Oligonucleotide-Tagged Semiconductor Nanocrystals For Microarray And Fluorescence

In Situ Hybridization" Inventors: Bittner, et al.

Attorney: David W. Maher (650-849-4400)

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Hybridization II

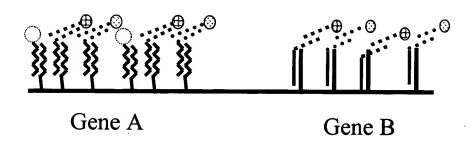


FIGURE 6A

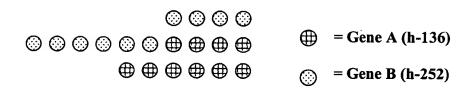


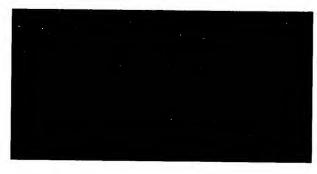
FIGURE 6B

Title: "Oligonucleotide-Tagged Semiconductor Nanocrystals For Microarray And Fluorescence

In Situ Hybridization"
Inventors: Bittner, et al.

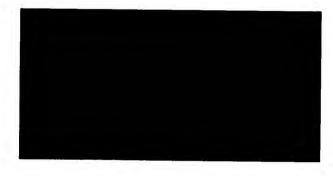
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Green Qdots signals from Gene A,B

FIGURE 6C



Red Qdots signals from Gene A, B

FIGURE 6D



Yellow Qdots signals from Gene A

FIGURE 6E

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Slide ID	Microarray 1	Microarray 2
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